



Green Buildings on Brownfields Pilot

Spartanburg, SC

Office of Brownfields Cleanup and Redevelopment

Quick Reference Fact Sheet

ReGenesis Community Health Center

Through a Green Buildings on Brownfields Pilot, EPA provided expert sustainable design services to Spartanburg County for the ReGenesis Community Health Center. With the support provided through this pilot, the County and ReGenesis were able to retain the services of an architecture and engineering (A&E) firm with staff trained by the U.S. Green Building Council. The A&E firm worked with the staff of ReGenesis and other local stakeholders to develop a vision for the site that incorporates sustainable design principles while also creating a healthy indoor environment for the future patrons of the Health Center. With this vision, a conceptual design and site plan were developed that incorporate a number of sustainable design principles, including:

- Orientation of the building to take advantage of solar energy for heating and daylighting, while also making the maximum use of natural ventilation and passive cooling;
- Reducing water consumption with ENERGY STAR® fixtures and equipment, and the use of captured rain or recycled site water for irrigation and other “gray water” uses;
- The use of renewable, non-toxic building materials;
- Maximizing the preservation and restoration of open space;
- Using shading techniques to assist passive cooling and ventilation of buildings, including paved areas; and
- Establishing a transportation plan to support alternatives to fossil-fueled, single-occupant vehicles by promoting carpooling and bicycling.



A proposed conceptual design for the ReGenesis Community Health Center.

The ReGenesis Community Health Center will be part of a broader revitalization effort in a predominantly African American community near several formerly industrial land uses, including the Arkwright Dump Superfund site. Through the use of green building design principles at this site, the community can move beyond the contamination that resulted from past industrial practices to a more healthy and environmentally sustainable future.